

Synthesis of Calcium Fluoride and Hydro-
Fluoric Acid from Fluosilicic Acid, by S. I.
Volikovich, M. G. Gabrielova.
RUSSIAN, per, Zhur Prikladnoi Khimii,
Vol XXV, 1952, pp 345-349.
SLA TT 64-20350

S. I. Volikovich

May 67 325,027

Gravitational Nature of Fan-Shaped
Structures, by A. V. Volin, 7 pp.
RUSSIAN, per, Sovetskaya Geologiya,
Vol 6, No 2, 1963, pp 94-100.
AGI in International Geology Review,
v. 6, no. 11, pp 2020-2026

A. V. Volin

336,284

Sci

Aug 67'

The Trailing Edge of Pulses in a Cathode Ray Tube
With Capacitive Load, by M. L. Volin, 11 pp

RUSSIAN, per, Radiotekhnika, Vol XI, No 3, 1966,
pp 63-69.

ATIC P-78-9180/V

Sci Phys

Dec 58

77,993

The Electrical Conductivity of Ternary Systems Composed of Amines, Acetic Acid and Water, by S. P. Melikidzhyan, I. A. Volina, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 4, Apr 1956, pp 1041-1045.

Consultants Bureau

Sci - Chemistry
Feb 1957 CTS/dex

43,652

Determination of Silicates by Means of δ -Hydroxy-quinoline, by M. I. Volinets, 5 pp.

RUSSIAN, per, Ukrain Khim Zhur, Vol ^X 31, 1936, pp 18-22.

SLA R-3302

Sci

Aug 59

43, 530

Volumetric Determination of Silicon in Dinas,
Quartzites, Clays and Groggs with the Aid of
8-Hydroxyquinoline, by M. I. Volinets and
S. S. Bernshtein, 3 pp.

RUSSIAN, per, Zavod Lab, Vol V, 1936, pp 1071,
1072.

SIA R-2275

Sci

Aug 58

72,224

(DC-2994).

Korea Fights, by Irina Volk, 8 pp.

RUSSIAN, bk, Koreya Srazheniya, 1953, pp 3-12.

JPRS-L-1839-N D

Aug 58

94,634

Leaf Roll in Beans and Peas, a New Virus Disease in the Leguminosae, by L. Quantz, J. Volk.

GERMAN, per, Nachrichtenblatt des Deutschen Pflanzenschutzdienstes, Vol VI, No 12, 1954, pp 177-182.

CSIRO 4251

Sci - Biol
Jul 682

207, 644

Archaeological Indication of Lead in Steel, by
K. H. Volk. UNCL

QUICKMAN, par, Arch Eisenhuettenwesen, Vol VII, No 1
1942, pp 81-84.

British Iron and Steel Ind.
(no number given)

RMH/
Sci - RMH
Sep 59

284/12

Amelioration de la Resistance a la fatigue des
alliages de nickel resistant a la chaleur par
faibles additions de bore et de zirconium, by
K. E. Volk, A. W. Franklins, 29 pp.

GUTMAN to FRENCH, per, Z fuer Metallkde, LI, No 3,
1960, pp 172-179.

Reverse Translation
CEA-A-1467

Sci
Jun 64

Production and Use of Heat-Resisting Aluminum
Coatings, by G. Kremer, K. E. Volk, 20 pp.

GERMAN, per, Stahl u Eisen, Vols LXVI-LXVII,
1947, pp 250-255.

31A 57-2834

Sci.

Aug 58

70, 887

Metallographic Studies of Steel With the Electron
Microscope, by H. Bensek, O. Rudiger, F. Stablein,
K. E. Volk.

GERMAN, per, Archiv Eisenhüttenwesen, Vol XV,
1941-1942, pp 431-436.

12,686

Brutcher Tr 1951

Scientific - Min/Metals

SCHAFMEISTER, P.
VOLK, K. H.

Archiv Eisenhüttenwesen, vol. 15, 12 figures, 1 table,
3500 words; November 1941.

The Electrolytic Polishing of Metals.

Butcher Trans, Order No. 1237, \$1.25.

11 6-11

Charge Carrying Instrument as a High Ohmic
Resistance, by W. Kossel, P. Leonhardt,
P. Volk,

GERMAN, per, Z. angew Phys., Vol VI, 1954,
pp 213-215.

TPA3/TIB 12536

Sci Physics

30,866

One in the Italo-Ethiopian War 1935/1941, by Col.
H. Palmer, Officer in the Army, 21 pp.
UNCLASSIFIED

General, Order of the Italian Army, 1935/1941.
Schweizerische Eidgenossenschaft, 1935/1941.
PP 47 - 61.

ID 000000 P-000000

W War - Military

June 1941 013

Application of Airborne Magnetic Survey in
Studying the Arctic Basin of the Earth's Crust,
by N. E. Volk,
RUSSIAN, per, Sovetskaya Geologiya, No 2,
1964, pp 117-120. 170037265
ACIC TC-883

Sci-Ear Sci & Ocean
Sept 66

310,576

The Effect of Wire Structure on Fibre Drainage
Study on Stationary Screen, by W. Brecht, H.
Hrftut and W. Volk, 13 pp.

(REMAN, per, Das Papier, Sep. 1956, pp 395-402.

SLA Tr 57-1720

8ed

Jul 58

67,935

The Influence of Companion Crop on the Yield and
Composition of Clover-Grass Mixtures, by A. Volkart,
T. H. Zurich, 47 pp.

GERMAN

SIA Tr 800/1955

Sci - Biol

50,177

Jul 57

Intramolecular Acylation in the Ferrocene Series.
Cyclization of γ -Ferrocenyl-Substituted Acids
and Keto Acids, by A. N. Besmeyanov, N. A.
Vol'kenskiy, V. D. Vil'chevskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 3, 1958, pp 512-514.

Consultants Bureau

Bcl - Chem

Jun 59

88, 810

USSR Economic Assessment of USSR 1957-58
by A. V. Vol'konn, P. Z. Zviagin

USSR, par, Uchi, 1957, No 6, pp 8-13

ML M. 1209

VEIR
Econ
1957 62

183, 102

Intramolecular Acylation in the Ferrocene Series,
by A. N. Nesmeyanov, M. A. Vol'kensau, V. D. Vil'-
chevskaya, 6 pp.

Full tr

RUSSIAN, trhice-mo per, Dok Ak Nauk BSSR, Vol CXI,
No 2, Nov 1956, pp 362-364.

ATIC F-TS-9263/III

Sci - Chemistry
Oct 57

53,492

Synthesis of Alkylferrocenes, by A. N. Nesmeyanov,
N. A. Vol'man, 6 pp.

Full tr

RUSSIAN, per, Dok Ak Nauk SSSR, vol CVII, no 2,
1956, pp 262-264.

ATIC F-TS-100;2/III

Sci - ~~REDACTED~~
Dec 1956 NE CTS/dex

Chemistry 4, 867

Acylation of Acetyl- and Ethylferrocene, by A. N.
Neameyanov, N. A. Volkenau, 4 pp.

RUSSIAN, three-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 3, Nov/Dec 1956, pp 605-608.

Consultants Bureau

Sci - Chem

56, 691

Dec 57

Synthesis of Alkylferrocenes, by A. M. Nesmeyanov,
and N. A. Volkenau, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok, Ak Nauk SSSR, Vol CVII,
No 2, p 262. 56-10-16

Consultants Bureau

41,531

Sci - Chemistry
Dec 56 CTS

Synthesis of Stereoisomeric Organomercury Compounds
via Organolithium Compounds, by A. N. Nesmeyanov,
A. E. Borimov, N. A. Volkenau, 1 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk, Otdel Khim Nauk,
No 6, 1954, pp 992-1001. CIA C 41022

Consultants Bureau

Scientific - Chemistry
Mar 56 CTS/dex

32.017

Devices for the Installing and Dismantling
of Roller Axle Bearings, by Wilhelm
Volkening, 15pp
GERMAN, per, Glasers Annalen, Vol 88, 1961,
No 3, pp 91-97
CFSTI TT-61-18074

Sci - Mach, Fabri & Access Equip
Apr 67

Measurements of the Roll Force and Experiment
Made in the Operation of a Fully-Continuous
Seven-Stand Hot Strip Finishing Mill Train,
by H. Lampmann, W. Volkering. UFCL

GERMAN, per, Stahl u Eisen, 28 May 1959,
pp 777-785.

BISI 1367

(16 10B.(B.))

Sci - Engr
Oct 59

98,722

Method of Determination of Luminosity Characteristics
of Incandescent Lamps As a Function of Voltage, by
A. A. Vol'kenshtein.

RUSSIAN, no per, Elektrichestvo, No 11, 1954, pp 73-76.

36,129

Insdoc
Nat Phys Lab Of India
Hillside Rd.
New Delhi-12, India

Scientific - Electricity
Engineering

Jun 56/dex

Visual Photometric Measurements at Low Brightness,
by A. A. Vol'kenshteyn, A. A. Gershun, 6 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXVI,
No 1, 1949, pp 59-61.

CIA/FDD/X-1196

Scientific - Physics
CTS/DEX

9176

The Main Concepts in the Electronic Theory of
Catalysis on Semiconductors, by F. F. Volkenshtein,
8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol. 1, No. 1,
1960, pp 32-49.

C.S.

Sci
Jul 61

158, 148

Effect of Illumination on the Absorptive Power and
Catalytic Activity of a Semiconductor, by E. E.
Vol'menshtein, Sh. M. Kogan, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5,
1959, pp 1536-1545.

CB

Sci. "
May 61

152, 791

The Problem of the Reaction Path for Conduct
Oxidation on Semiconducting Catalysts (The Example
of the Oxidation of Benzene), by I. I. Ioffe, P. I.
Vol'menshtein, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 4,
1958, pp 747-750.

Consultants Bureau

Sci - Chem
Dec 58

77460

The Influence of Ionizing Radiation on the
Adsorptive and Catalytic Properties of Semi-conductors,
by F. F. Vol'kenshtein, 10 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol II, No 4,
1961, pp 481-489.

CS

Sci

Jun 62

200, 24
451

Mechanism of the Dissociation of a Diatomic Molecule
on π Adsorption on the Surface of a Semiconductor, by
P. P. Volkenshtein, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, 1957,
pp 143-156.

CIA/FDO XX-557
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Jan 59
USIS INTERNAL USE ONLY

78,543

Some Special Properties of Adsorption Related to
the Heat Disorder of the Surface of a Crystal,
by F. F. Volkenstein, 20 pp. pp.

RUSSIAN, no year. Zhur Fiz. Khim., Vol. XXIII, no. 8,
1949, pp 917-930. D 354904; D 450329.

CIA/PID Y-2207

Sci Museum Library

50/1839

40,794

Also DME- TR-126

A 12722

Sci - Chemistry Nov 1956 CTS/dex
Stax

Present State of the Electronic Theory of Catalysis
on Semiconductors, by P. P. Vol'kenshteyn.

RUSSIAN, Uspekhi Khim, Vol XXVII, No 11, 1958,
pp 1304-1320.

ATB RJ-1671

Sci - Chem, *electron*

Jul 59

90,848

Some Problems of the Semiconducted Catalysis
(According to the Material of the International
Congress on Catalysis in Philadelphia.) by F. M.
Vol'kenshteyn.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 6, 1957,
pp 659-672.

Tech and Chem

Eci - Chem

Apr 58

Electronic Processes in Chemisorption.
Communication 1, by F. P. Volkens, 5 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, USSR, 1953, pp 788-794. ^{hTEIN} CIA D 151001

Z - 24/
Consultants Bureau

Scientific - Chemistry

CTS 64/Jan 55

20,564

Chemical Adsorption on Ionic Crystals, by
F. F. Volkenstein,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 10,
1952, pp 1462-1471.

Co-op Tr Sch No 101
L2. 10s. (10s. Od.)

Scientific + Chemistry

Feb 55 CTS

20,850

Mechanism of the Catalytic Action of Semiconductors,
by P. P. Volkenstein, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1957, pp 924-928.

Consultants Bureau

Sci - Chem

May 58

87,165

Various Types of Bonds in Chemisorption on
Semiconductors, by F. F. Volkenstein, 7 pp.

HERBMAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1957, pp 916-923.

Consultants Bureau

Sci - Chem

May 59

87,164

Modification of Catalysts, by P. P. Vol'konshtein,
24 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXV, No 10, 1951,
pp 1214-1227.

36,115
Sci Tr Center HT-3658

Scientific - Chemistry

Jun 56/dax

The Role of Free Valences in Heterogeneous Catalysis,
by V. V. Voevodskiy, F. P. Vol'kenshteyn, N. A.
Semenov, 25 pp. (AR 570864).

RUSSIAN, bk, Voprosy Khimicheskoy Kinetiki, Kataliza-
i Reaktsionnoi Spetsifichnosti, Moscow, 1955, p.
423-440.

ADIC P-25-8321/V

Sci - Chemistry

36 4 57

Jul 1956

The Effect of an External Electric Field on the Adsorptive Power of a Semiconductor, by F. F. Vol'kenshtein, V. B. Sandomirskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII, No 5, 1958, pp 980-982.

Consultants Bureau

Sci - Chem
Dec 58

77,470

Some Problems of Contemporary Solid State
Electron Theory, by P. P. Vol'kanskiy, 23 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXI, 1951,
p 1544. CIA ID 19357

Morris D. Friedman
V-113 \$12.00

USCIB
Scientific - Physics CTS 65/Feb 55

2, 282

Electronic Processes in Chemistry.
Communication 2, by F. P. Volkovskiy, 6 pp.

Full translation.

RUSSIAN, mime per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, Uchen, Nov/Dec 1953, pp 974-975. CIA ID 151103

Consultants Bureau

Scientific - Chemistry

CTD 66/Mar 55

21, 798

The Chemisorption Capacity and Catalytic Activity
of Semiconduction Films on Metals. By F. F.
Vol. ~~Manashtain~~ and V. S. Kuznetsov, -pp. 10

RUSSIAN, per, Kinetika i Kataliz, Vol III, No. 5.
1962, pp. 712-723.

CB

Sci

341,171

Jan 63

Electronic Conductivity in Dielectrics at
High Fields, by V. P. Vol'kenshtein, 23 pp.

RUSSIAN, par, Zhur Tekh Fiz, Vol IX, No 3, 1939,
pp 181-187.

Sci Tr Center

RT- 14-47

Scientific - Physics

18,922

The Concept of a "Quasi-Isolated" Surface in
the Theory of Chemisorption, by F. F.
Vol'kenstein, Sh. M. Kogan, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV,
No 9, 1960, pp 1996-2004.

Cleaver-Rune Press

Sci
Aug 61

167,069

Semiconductors as Catalysts of Chemical
Reactions, by P. F. Vol'kenshtein, 83 pp.

RUSSIAN, per Pamphlet, Ak Nauk SSSR, Inst
Poluprovodnikov, No 18, 1956.

SLA R-2325

Sc1

Aug 58

72,045

On Some Questions of Semiconductor Analysis, by
F. F. Vol'kenshtein, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,
No 2, 1957, pp 180-183.

Columbia Tech

Sci - Physics
May 58

62,983

On Problems Arising in the Theory of Semiconductors
as Catalytic Agents, by P. F. Vol'kenshtein, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI, No 2,
1957, pp 177-179.

Columbia Tech

Sci - Physics
May 58

62, 982

The Zonal Theory of a Solid and the Limits of Its
Applicability, F. F. Vol'kenshtein.

Full translation.

RUSSIAN, mo per, Uspekhi Fiz Nauk, Vol ~~43~~^{XLIII}, USSR,
1951, pp 11-29.

AEC Tr 1166

Scientific - Physics

Mar 52 CTS

Concerning the Effect of Small Additions of a Foreign Impurity on the Catalytic Activity of Ionic Catalysts, F. F. Vol'kenshtein.

Full translation.

RUSSIAN, mo per, Zhur Fiz Khim, Vol 24, No 9, USSR, 1950, pp 1068-1082.

AEC Tr 1165

Scientific - Physics

Mar 52 CTS

On the Theory of Activated Adsorption, Parts
I and II, by F. F. Volkenshtein,

RUSSIAN, per, Zhur Fiz Khim, Vol XXVII, No 2,
1953, pp 159-177.

20,035

[Coop Tr Sch No 99
Lb. 4.15s. (19s. 0d.)]

Scientific - Physics

Dec 1954 CTS

Sci/Chem

Electron Theory of Promoting and Poisoning of Ionic
Catalysis, by P. F. Vol'kenshtein.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXII, No 1, 1948.

AEC Tr 277

PA 65T22

Oct 48

The Theory of the Photoadsorption Effect on Semi-conductors, by F. F. Vol'kenshtein and I. V. Karpenko, 8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III, No 1, 1962, pp 72-80.

Consultants Bureau

Sci
Dec 62

218,196

Semiconductors as Catalysts of Chemical Reactions, by
F. F. Vol'manshtein.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LX, No 2, 1956,
pp 249-254.

Co-op Ir Sch Tr 390

Sci - Electronics
Nov 57

55, 097

USSR/Sci/Chem/Adsorption Theory

C

On the Interactions Between Adsorbed Molecules in Connection
With The Theory of Adsorption on Heterogeneous Surfaces,
by F. F. Volkenshtein. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXI, No 2, 1947.

ABC Tr 211

C. June 1947

Cooperative Phenomena in the Annealing
and Softening of PVA , by Ya. Sharonov,
in Vol. Kentshtein
RUSSIAN, per, Vysokomolekulyarnye soe-
dineniya, Vol 4, No 6, 1962, pp 917-9.1
CHIRO, No. 7648.

127 - Vol. Kentshtein

End -

Jul 67

333.94

Effect of Annealing of Polymer Glasses on
the Temperature Dependence of Thermal
Capacity in the Softening Range, by M
Vol'kenshtein.

RUSSIAN. Vysokomolekulyarnye Soedineniya,
Vol 3, No 11, 1961, pp 1739-45.
CSIRO/No. 7647

M. Vol'kenshtein

SCI -

JUL 67

533,951

Configurational Statistics of Polymeric Chains,
by M. Vol'kenshtein.

RUSSIAN, mono.

*Interscience Publishers

Sci

May 62

Conference on the Mechanical Properties of
Non-Metallic Substances, by M. V. Kargin,
8 pp.

RUSSIAN. per. Uspekhi Fiz. Nauk, Vol. LXVII, No. 3,
1959, pp 177-.

AJF
Sov Phys-Uspekhi
Vol II (67), No 3

Sci

Mar 60

132

Approximation Method for the Calculation of Optical
Anisotropies of Macromolecules, by T. M. Birahteyn,
M. V. Vol'kenshteyn, et al. 12 pp.
RUSSIAN, 7 Pt. Vysokomolekulyarnye Soedineniya,
Vol IV, No 5, 1962, pp 670-677. 924851
AEC-ANL-Tr-58

Sci-Phys
Oct 64

267,845

Optical Activity of Amino Acids, by
M. V. Vol'manskiteyn, E. P. Kruchek, 4 pp.

RUSSIAN, Ser, Zhur Strukturnoy Khim, Vol II, No 1,
1961, pp 59-62.

CS

Sci
Jun 62

2-1,100

Cooperative Processes in Biology, by M. V.
Vol'kenshtein, 3 pp.

RUSSIAN, per, Biofizika, Vol VI, No 3, 1961,
pp 257-264.

PP

Sci

200, 17

Jan 62

Volkenstein, M. V. and Shorygin, P. P.
ANALYSIS OF GASOLINE BY THE RAMAN EFFECT,
IL [1963] [18]p. 12 refs.
Order from OTS or SLA \$1.60

63-16025

Trans. of [Zhurnal Fizicheskoi Khimii] (USSR) 1939,
v. 13, p. 1512-1522.

DESCRIPTORS *Gasoline, Chemical analysis, *Raman
spectroscopy.

63-16025

I. Volkenstein, M. V.
II. Shorygin, P. P.

AL47523

(Materials--Fuels, TT, v. 10, no. 7)

Office of Technical Services

Heats of Isomerization of Aliphatic Hydrocarbons,
by M. V. Vol'kenshtein, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LI,
N 1946, pp 213-216.

SLA 61-430165

Sci

Mar 62

Vol VII, No 3

1.98, 100

Optical Activity in the Conformation of Certain Alicyclic
Terpenes, by M.V. Vol'kenshtein, I.O. Levitan, 5 pp.

RUSSIAN, per, Zhur Strukturnoi Khim, Vol III, No 1,
1962, pp 87-92.

CB

Sci

213,2300

Aug 2/ 62

Optical Activity and Conformations of Certain Alicyclic
Ketones, by M.V. Vol'kenshtein, I.O. Levitan, 6 pp.

RUSSIAN, per, Zhur Strukturnoi Khim, Vol III, No 1,
1962, pp 80-86.

CB

Sci

Aug 62

213,299

Relaxation Enthalpy and Cooperative Phenomena in
Polystyrene in the Vitrification Interval
By Yu.A. Sharonov, M.V. Vol'kenshtein pp7

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 2, 1963,
pp590-598

Amer Inst of Phys
Sov Phys - Solid State
Vol V, No 2

Sci

Sep 63

241712
344-2

Effect of Annealing of Polymer Glasses on the
Temperature Dependence of the Heat Capacity in
the Softening Range, by M. V. Volkenshtein,
Yu. SA. Sharonov, 14 pp.

RUSSIAN, per, Vysokomolekulyarnye Soedineniya,
Vol. III, No 11, 1961, pp 1739-1745. 9670069

DDC RBIC-47

Sci - Chem
Sep 63

344,096

Vol'kenshtein, M. V. and Shorygin, P. P.
ANALYSIS OF LIQUID FUEL BY THE METHOD OF
COMBINATION SCATTERING. [1961] 10p. (1 fig.
omitted) 12 refs

Order from OIS or SLA \$1.10

61-16909

Trans. of mono. Trudy Vsesoyuznoi Konferentsii po
Analitycheskoi Khimii (Transactions of the All-Union
Conference on Analytical Chemistry) Moscow, 1944,
v. 3, p. 90-104.

DESCRIPTORS: Liquids, *Fuels, *Gasoline, Raman
spectroscopy, Benzenes, Alkyl radicals, Cyclo-
hexanes, Hexanes, Methyl radicals, Toluenes,
Fractionation, *Hydrocarbons, Decomposition,
Aluminum compounds, Chlorides, Catalysts, Cata-
lysis, Waxes, Chemical analysis, Scattering.

A report of the development of Raman spectroscopy as
(Chemistry--Analytical, TT, v. 8, no. 3) (over)

61-16909

I. Vol'kenshtein, M. V.
II. Shorygin, P. P.
III. Title: All-Union...

Office of Technical Services

Internal Notation in Propagand and n-Butane,
by M. P. Barinova, M. V. Vol'kenshtein,
6 pp.

RUSSIAN, per, Khim Struktury Khim, Vol II,
No 4, 1961, pp 469-475.

CB

Sai
Jun 62

199,063
~~199,063~~

Van der Waals Interaction of Hydrocarbon Molecules, by
N. P. Borisova, M. V. Vol'kenshtein, 3 pp.

RUSSIAN, per, Zhur Strukturnoy Khim, Vol II. No 3, 1961,
pp 346-349.

CB

Sci

192,487

Mar 62

Geometry of Linear Polymers, by M. V. Vol'kenshtein,
O. B. Ptitsyn, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXVIII, No 4, 1951, pp 657-660.

CIA/FBI/X-1577

USSR

Scientific - Physics

21,998

OTS 66/ Mar 1955

Problems in the Theoretical Physics of
Polymers, by M. V. Vol'kenshtein, 200

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVII, No 1,
1959, pp 131-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 1

SCI

13.2, 137

Nov 60

Polarizability Theory and Optical Activity,
by M. V. Volkenstein.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI,
No 3, 1950, pp 447-450.

IN3DOC-T2104

Sci

Aug 58

72, 751

Vitrification of Fluctuations and the Scattering of
Light, by M. V. Vol'kenshtein, 5 pp.

RUSSIAN, English per, Dok Ak Nauk SSSR, Vol CXVI, No 2,
1957, p 207-210.

Amer Inst of Phys
Sov Phys - "Doklady"
Vol II, No 5

Sci - Physics
Jun 1958

145-17
65, 493

Macromolecules and Biology, by M. V. Vol'kenshteyn,
29 pp. UNCLASSIFIED

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Biol, No 1,
Moscow, Jan/Feb 1958, pp 3-25.

US JPRS/NY-L-174

Sci - Med
Jun 58

64,398

Statistical Theory of Reduplication of Desoxy-
ribonucleic Acid, by M. V. Vol'kenshtein, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 4,
1960, pp 889-892.

AIP
Sov Phys-Doklady
Vol V, No 1

Sci

Sep 60

125,796

On the Structure and Mechanical Properties
of Amorphous Polymers, by M. V. Vol'kenstein,
4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXXV,
No 3, 1959, pp 523-525.

Amer Inst of Phys
Sov Phys - Doklady
Vol IV, No 2

Sci

Dec 59

101,835

The Polaron Theory of Vitrification
The Solution and Investigation of the Basic
Equation, by M. V. Vol'kenshtein, O. R. Poltavskiy,
9 pp.

RUSSIAN, no par, Zhur Tekh Fiz, Vol XXVI, No 10,
Oct 1956, pp 2204, 2222.

ABST LITER OF PHYS
Eov Phys-Tech Phys
Vol I, No 10

Sci - Physics
Row 57

54 754

Philippine Corporation in California, Inc., 1934, by
Philippine Corporation, 1934, by M. V. Valenzuela, 1934.

WHELAN, no per. Blair Talm Pac. Vol. 2007, no. 10.
Oct 1956, pp 2287-2292.

Amer Inst of Phys
For Phys Teacher
Vol. II, No. 20

Sol - Chemistry
Page 57

Calculation of the Optical Activity of Molecules,
by M. V. Vol'kenshtein, M. P. Kruchek, 3 pp.

RUSSIAN, per, Optika i Spektro, Vol IX, No 4,
1960, pp 467-471.

OSA

Sci

Mar 61

141,546

Vol'kenshtein, M. V., Shorygin, P. P., and
Shomova, N. N.

ANALYSIS OF GASOLINES BY THE METHOD OF
RAMAN SPECTRA. [1961] [4]p. 14 refs.

Order from OTS or SI A \$1. 10

61-20362

Condensed trans. of [Zavodskaya Laboratoriya (USSR)
1940, v. 9, no. 8] p. 860-864.

DESCRIPTORS: *Gasoline, *Raman spectroscopy,
*Hydrocarbons, Spectrographic analysis

(Chemistry--Analytical, TT, v. 6, no. 10)

61-20362

I. Vol'kenshtein, M. V.
II. Shorygin, P. P.
III. Shomova, N. N.

Office of Technical Services

A Model Thermodynamic Theory of the Polycondensation of Desoxyribonucleic Acid, M. V. Vol'kenshtein, Al. M. El'yushevich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 3, (chuck numbers), pp 565-567.

3
AIP
Sov Phys-Dok
Vol V, No 3

Sci

Jan 61

136,488

The Effect of the Solvent and the Specific Nature
of the Additional Nucleotides on the Reduplication
of DNA, by G. V. Vol'kenshtein, A. M. Polyashovich,
4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXXXI, No 3, 1960,
pp 538-541

AIP

Sov Phys - Doklady

Vol V, No 2

Sci

Nov 60

132, 766